BRUHAT BANGALORE MAHANAGARA PALIKE
RAJARAJESHWARI NAGARA ZONE

Name Work: Development of SWD From Hongevana to Railway Track Mutyalanagara in Ward No 17 RRN Zone.

Job Code:-

Est Cost : 8005000.00

Sl No	Description of work	Unit	Nos	L	B	D	Qty	Rate	Amount
1	Excavation and Removal of silt Mixed Sand in Slussy condition canal bed including Disposing of the Same in Spoil Bank or on Canal embekment in layers as etc., Complete with all initial lead upto 50m and lifts (MI SR 2010-11 Page No 129 and Item No 51)								
	Basic Rate=		107.00	Cum					
	loading and Unloading -		60.90						
	Lead upto 10x7.30		73.00						
			240.90						
	8th Main to Mutyalanagara		1	420.00	5.9+4.9/2	1.15+0.90/2	2324.70	240.90	560020.00
2	Diversion of water course by providing Coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., complete. For beyond 1.50 mtrs depth upto & including 3m depth. Page No 267 Item No 37.41 B								
	Basic Rate=		412.00	Cum					
	A.W 8%=		32.96						
	Total		444.96						
			1	420.00	5.9+4.9/2	1.15+0.90/2	2324.70	444.96	1034399.00
3	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS Page No 6 Item No 2.15								
	Basic Rate=		1059.00	Cum					
	A.W 8%=		84.72						
	Total		1143.72						
			1	420.00	5.25	0.40	882.00	1143.72	1008761.00
4	KSRB 4-1.1: Providing and laying in position plain cement concrete of mix M15 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No.12, Item No.4.1)								
	Basic Rate=		3863.00						
	A.W 8%=		309.04						
	Total		4172.04						
	Bed	Cum	1	420.00	5.25	0.20	441.00		
							441.00	4172.04	1839870.00

	Description of work	Unit	Nos	L	B	D	Qty	Rate	Amount
5	KSR 4-2.2 : Providing and laying in position reinforced cement concrete mixdesign mix M20 with OPC @ 320 kgs with 20mm and down size graded granite metal, coarse aggregates @ 0.087 cum & fine aggregate @ 0.459 cum, with super plastisiser @ 3 lts confirming to IS 9103-199 Reaffirmed-2008 machine mixed concrete laid in layers not exceeding 15 cms. thick, vibrated for all works in foundation plinth & ground floor levlls for roof slabs, stair case, lintles, retaining walls, return walls, walls (any thickness) including attached plaster, collumns, piers, abùtments, pillers, posts , stuts, buttresses, strings or lacing courses, parapits, coping, bed blocks anchor blocks, plain window, cills, fillets etc., , including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6(Page No.13. Item No.4.11)								
	Basic Rate=~~4539.00~~		4674.00						
	A.W 8%=		373.92						
	Total		5047.92						
	Bed slab		1	420.00	5.25	0.15	330.75		
	For Pools		10X4X2	0.40	0.40	0.45	5.76		
		Cum					336.51	5047.92	1698676.00
6	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. (Page No.26, Item No.5.9)								
	Basic Rate=		3006.00						
	A.W 8%=		240.48						
	Total		3246.48						
	Bridge Between 8th and 9th		2	60.00	0.60	0.90	64.80		
	Bridge Between 12th and 13th		2	33.90	0.75	0.90	45.77		358963.00
		Cum					110.57	3246.480	358947.00
7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. (Page No.26, Item No.5.9) SSM with Avilable Stones								
	Basic Rate=	3006-625-62.50-62.50=				2256.00			
	3006-700-70-70=2166.00	Cum	2	23.00	0.90	2.50	103.50		
			2	27.00	0.90	2.50	121.50	2166.00	487350.00
			2				225.00	2256.000	507600.00
8	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (Page No.119, Item No.15.3)								
	Basic Rate=	sqm	69.50						
	A.W 8%=		5.56						
	Total		75.06						
			2	33.90		0.90	61.02		
			2.00	60.00		0.90	108.00		
			2.00	19.00		2.50	95.00		
			2.00	27.00		2.50	135.00		
			2.00	400.00		1.00	800.00		
							1199.02	75.06	89998.00

	Description of work	Unit	Nos	L	B	D	Qty	Rate	Amount
9	Supplying and fixing M.S.Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixing in CC (1:2:4) With 2 nos. 16mm dia M.S. hold fast rods each of lenth 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineering-in-charge of work and including porividing 2 coats of approved quality paint over one coat of shop painting. (excluding cost of earth work and concrete) PWD(BC) SR 2011-12 Item No.37.20 Page No.259								
	BR=816.00+8%=881.28	Rmt	10X2X5		3.50		350.00	881.28	308448.00
10	Providing Chain Link Fencing 50mm size of 8 gauge property strectched between rectangular poles and fixing with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts, cutting, bending wherever necessary, wastage and lapping etc complete as per direction of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint. PWD(BC) SR 2011-12 Item No.37.30 Page No.265								
	BR=542.00+8%=585.36	SQM	10x2		6.00	2.8	336.00	585.36	196681.00
11	Providing and fixing M.S.Block pipe of 38mm dia, of heavy gauge of 14 including remving the bends, cutting the pipe, and fixing pipe in between the two vertical poles (M.S.Rectangular poles) spot welding the chain link with MS Block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete inluding two coats of approved quality paint over one coat of shop paint. PWD(BC) SR 2011-12 Item No.37.40 Page No.265								
	BR=257+8%=277.56	Rmt	10x2x4	~~80.00~~	6.00		480.00	277.56	133229.00
12	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2								
	Basic Rate=		270.00	Sqm					
	Add A.W.8%=		21.60						
	Total=		291.60						
		10x2x5x4		~~400.00~~	0.40	0.45	72.00	291.60	20995.00
13	Cost of howlage including loading, unloading surface road up to 5kms . Loading and unloading charges PWD(BC) SR 2010-11 Item No.17.10 Page No 118								
	Removing debris up to 17 Kms								
	17km=17x1.28x2.00=43.52		43.50						
	Loding Unloding charges=		62.20						
	~~Area~~ wstage =8%		105.70	7846=	114.16			114.16	265383.00
	Qty Vide I No 1	Cum					2324.70	105.70	245721.00

Sl No	Description of work	Unit	Nos	L	B	D	Qty	Rate	Amount
	Miscellaneous and unforseen charges							2222.00	1665000
								Total	8005000.00

(Rupees Eighty Lakhs Five Thousand Only)

CERTIFICATE

1 Certified that I have inspected the spot & Prepared the Estimate according to the necessity & site conditions.

2 Certified that the estimate is prepared on the basis of CSR of PW,MI, Bangalore Circle, Bangalore for the year 2011-12

3 Certified that the above area comes under BBMP limits..

Asst. Engineer
RR Nagara Division(P)
B.B.M.P.

Asst. Executive Engineer
RR Nagara Division(P)
B.B.M.P.

B.R. Muddu
Executive Engineer
RR Nagara Division(P)
B.B.M.P.

ADMINISTRATIVE APPROVED

Rs : 80,05,000=00 (Rupees Eighty lakhs Five Thousand only) is accorded under the head : P2570

By AC (R.R.N.) : SL no 133

Vide Register Page No. 48 & 49 subject to conditions contained in inclosed memo No. : AE/133/12-13 Date : 28/4/2012

TA, AC (R.R.N.)

TECHNICAL SANCTION

Rs: 80,05,000/- (Rs. Eighty lakh Five thousand only) is accorded under the head: P2570

By AC (R.R.N.): Vide pg.No-2, Sl.No - 11

Registered as CE (R.R.N) No: 11 subject to conditions contained in enclosed memo No: 11/12-13 Date: 06/06/12

AE, AEE, CE (R.R.N.)